

## EDUCATION

- Sep. 2022 - **HKUST**, Hong Kong  
Now PhD, Computer Science and Engineering
- Sep. 2018 - **ShanghaiTech University**, Shanghai, China  
Jun. 2022 Bachelor of Engineering, Computer Science and Technology  
**Honors:** Shanghai Scholar 2021, Shanghai Outstanding Graduate 2022

## PUBLICATIONS

- 1 **Xinhang Liu**, Yu-Wing Tai, Chi-Keung Tang, Pedro Miraldo, Suhas Lohit and Moitrey Chatterjee. *Gear-NeRF: Free-Viewpoint Rendering and Tracking with Motion-aware Spatio-Temporal Sampling*. **CVPR 2024**.
- 2 **Xinhang Liu**, Jiaben Chen, Huai Yu, Yu-Wing Tai and Chi-Keung Tang. *Unsupervised Multi-view Image Segmentation using Radiance Field Propagation*. **NeurIPS 2022**.[\[pdf\]](#) [\[project page\]](#) [\[code\]](#) [\[data\]](#)
- 3 Liao Wang, Jiakai Zhang, **Xinhang Liu**, Fuqiang Zhao, Yanshun Zhang, Yingliang Zhang, Minye Wu, Lan Xu and Jingyi Yu. *Fourier PlenOctree for Dynamic Radiance Field Rendering in Real-time*. **CVPR 2022**.  
[\[pdf\]](#) [\[project page\]](#) [\[video\]](#)
- 4 Jiakai Zhang, **Xinhang Liu**, Xinyi Ye, Fuqiang Zhao, Yanshun Zhang, Minye Wu, Yingliang Zhang, Lan Xu, Jingyi Yu. *Editable Free-viewpoint Video Using a Layered Neural Representation*. **SIGGRAPH 2021**.  
[\[pdf\]](#) [\[project page\]](#) [\[code\]](#) [\[video\]](#)

## EXPERIENCES

- Jun. 2023 - **Research Intern**, *Mitsubishi Electric Research Laboratories*, with [Moitrey Chatterjee](#), [Pedro Miraldo](#) and [Suhas Lohit](#)
- Oct. 2020 - **Research Intern**, *ShanghaiTech University*, with [Prof. Jingyi Yu](#) and [Prof. Lan Xu](#)  
Jun. 2022
- Mar. 2021 - **Robotics Institute Summer Scholar (Virtual)**, *Carnegie Mellon University*, with [Prof. Sebastian Scherer](#) and [Prof. Huai Yu](#)  
Jun. 2022

## TEACHING & SERVICE

- Conference Reviewer of CVPR, ICCV, NeurIPS, ICLR and ICML.
- Spring, 2024 COMP2611 - Computer Organization: Teaching assistant.
- Spring, 2023 COMP5421 - Computer Vision: Teaching assistant.
- Fall, 2021 CS276 - Computational Photography: Guest lecture in "NeRF".
- Fall, 2021 CS182 - Introduction to Machine Learning: Teaching assistant.
- Fall, 2021 SI100B - Introduction to Information Science and Technology: Teaching assistant.

## TECHNICAL SKILLS

- Programming C, C++, Python (PyTorch), MATLAB, Linux,  $\text{\LaTeX}$
- Languages Mandarin Chinese (Native), English (Fluent)
- TOEFL: 107 (R:29, L:27, S:23, W:28) GRE: 325 (V: 156, Q: 169, AW: 4.0)